

WHAT IS CLAIMED IS:

1. A connector assembly for a radio frequency (RF) signal comprising:
a body;
a flange connected to the body and having a cavity; and
a plurality of pins extending from the flange,
wherein the cavity of the flange receives a chip carrier and the pins contact the chip carrier.
2. The connector assembly according to claim 1, wherein the plurality of pins have a coplanar pin configuration and include at least one signal pin and a ground pin.
3. The connector assembly according to claim 2, wherein the signal pin is connected to a device in the chip carrier.
4. The connector assembly according to claim 1, wherein a signal path between the signal pin of the connector and the device in the chip carrier is less than 500 mils.
5. The connector assembly according to claim 1, wherein a signal path between the signal pin of the connector and the device in the chip carrier is less than 400 mils.
6. The connector assembly according to claim 1, wherein a signal path between the signal pin of the connector and the device in the chip carrier is less than 300 mils.
7. The connector assembly according to claim 1, wherein a signal path between the signal pin of the connector and the device in the chip carrier is less than 200 mils.
8. The connector assembly according to claim 1, wherein a signal path between the signal pin of the connector and the device in the chip carrier is less than 100 mils.

9. The connector assembly according to claim 1, wherein a signal path between the signal pin of the connector and the device in the chip carrier is less than 75 mils.

10. The connector assembly according to claim 1, wherein a signal path between the signal pin of the connector and the device in the chip carrier is less than 40 mils.

11. The connector assembly according to claim 1, wherein the cavity receives a substantial portion of the chip carrier.

12. The connector assembly according to claim 1, wherein the chip carrier is substantially flush with a surface of the flange.

13. The connector assembly according to claim 1, wherein the cavity is located at a center portion of the flange.

14. The connector assembly according to claim 13, wherein the cavity is symmetrically centered in the flange.

15. The connector assembly according to claim 1, wherein the chip carrier includes one of a semiconductor device and an optical driver.

16. The connector assembly according to claim 1, wherein the plurality of pins have a coplanar pin configuration and include a signal pin and two ground pins, the signal pin being connected to a device in the chip carrier.

17. The connector assembly according to claim 16, wherein the chip carrier includes a conductive line connecting the signal pin of the connector to the device in the chip carrier.

18. The connector assembly according to claim 17, wherein the conductive line is coplanar with the signal pin.

19. The connector assembly according to claim 18, wherein the conductive line is bent prior to contacting the device.

PATENT
Docket No. 9485.003.00

20. The connector assembly according to claim 17, wherein the conductive line is less than 100 mils.

21. The connector assembly according to claim 17, wherein the conductive line is less than 50 mils.